

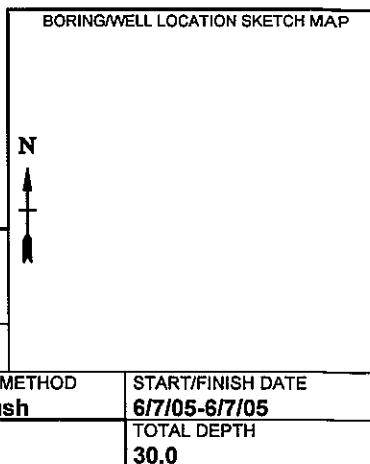


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BORING/WELL NO.
B-12

SOIL BORING LOG

PROJECT NO./NAME G0B7M-RP50-B.01A201/ARCO Facility No. 6131	LOCATION 3201 Harbor boulevard Costa Mesa, California		
DRILLING CONTRACTOR/DRILLER Cascade Drilling, Inc./Gary	APPROVED BY Dean A. Richesin, P.G. No. 3587		
GEOLOGIST/OFFICE Susan Nielsen/Orange County	SIZE/TYPE OF BIT 1.5"/Soil	SAMPLING METHOD Direct Push	START/FINISH DATE 6/7/05-6/7/05
DRILLING EQUIPMENT/METHOD Geoprobe/Direct Push			TOTAL DEPTH 30.0



LITHOLOGY

SAMPLING DATA

Depth, feet	Graphic Log	Visual Description	Sample No. and Interval	Penetration Rate (Blows/ft.)	PID Values (ppm)
		ASPHALT			
5		SANDY CLAY (CL): brown, fine to medium grained sand, low plasticity, micaceous, soft, moist	B-12-5		0
10		SAND (SP): tan, fine to medium grained, trace clay, medium dense, micaceous, slightly moist	B-12-10		5.8
15		Yellowish orange, very fine to fine grained, trace silt, slightly micaceous	B-12-15		0
20		Trace micas	B-12-20		0
25		Orangish brown, fine to medium grained, little silt, trace fine sub-angular gravel to 2 cm dia, medium dense, moist	B-12-25		20
30		CLAY (CL): greenish grey, low plasticity, medium stiff, trace fine micaceous sand, moist Boring terminated at 30 feet below ground surface (ft bgs) due to refusal. Groundwater was not encountered during drilling. Boring was backfilled with bentonite grout.	B-12-30		208